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**ENTERED**



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**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/924,102

DATE: 05/23/2002

TIME: 17:27:02

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05232002\I924102.raw

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3 <110> APPLICANT: KORNBLUTH, SALLY A
4   HOLLEY, CHRISTOPHER
6 <120> TITLE OF INVENTION: REAPER PROTEIN
8 <130> FILE REFERENCE: 1579-470
10 <140> CURRENT APPLICATION NUMBER: 09/924,102
11 <141> CURRENT FILING DATE: 2001-08-08
13 <150> PRIOR APPLICATION NUMBER: 60/223,699
14 <151> PRIOR FILING DATE: 2000-08-08
16 <160> NUMBER OF SEQ ID NOS: 14
18 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 65
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Drosophila Reaper
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30 Met Ala Val Ala Phe Tyr Ile Pro Asp Gln Ala Thr Leu Leu Arg Glu
31   1           5           10           15
33 Ala Glu Gln Lys Glu Gln Gln Ile Leu Arg Leu Arg Glu Ser Gln Trp
34           20           25           30
36 Arg Phe Leu Ala Thr Val Val Leu Glu Thr Leu Arg Gln Tyr Thr Ser
37           35           40           45
39 Cys His Pro Lys Thr Gly Arg Lys Ser Gly Lys Tyr Arg Lys Pro Ser
40           50           55           60
42 Gln
43   65
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 81
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
54 <400> SEQUENCE: 2
55 Met Leu Leu Ser Thr His Leu Phe Ile Tyr Leu Phe Ile Tyr Phe Leu
56   1           5           10           15
58 Ser Tyr Ser Leu Gly Asp Arg Ala Arg Leu Cys Leu Arg Lys Thr Lys
59           20           25           30
61 Gln Gln Gln Lys Glu Gln Gln Ile Leu Arg Gln Ser Glu Val Leu Phe
62           35           40           45
64 Arg Ser Glu Thr Leu Arg Lys Thr Gly Lys Lys Gly Arg Arg Trp Gly
65           50           55           60
67 Gly Gln Gly Gly Arg Gly Gly Thr Ala Asp Thr Gly Gly Met Phe Leu

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68 65          70          75          80
70 Ser
74 <210> SEQ ID NO: 3
75 <211> LENGTH: 75
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
82 <400> SEQUENCE: 3
83 Met Val Leu Arg Gly Pro Ala Pro Leu Glu Leu Ile Leu Gln Pro Cys
84 1          5          10         15
86 Trp Ala Gln Val Gly Arg Ala Gly Val Ala Arg Gly Ala Thr His Cys
87          20         25         30
89 Val Pro Ser Pro Ser His Cys Ala Ser Asp His Asn Pro Ser His Leu
90          35         40         45
92 Leu Ala Thr Asp Leu Pro Ser Val Ser Phe Ile Leu Tyr Phe Ile Thr
93          50         55         60
95 Asn Ile Ser Thr Gln Thr Cys Cys Thr Phe Ser
96 65          70          75
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 246
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper encoding
sequence
107 <400> SEQUENCE: 4
108 atgctgctgt cgactcattt atttattttac ttattttattt attttttgag ttacagcctg 60
109 ggcgacagag ctagactctg tctcagaaaa acaaaaacaac aacaaaaaga aaaacagatt 120
110 ctaaggcaaa gtgaagtttt attcaggagt gaaactttaa ggaagacagg gaaaaaggga 180
111 aggcggtggg gggggcaggg gggcagggga gggacagcag atacaggcgg tatgttccta 240
112 agctga 246
115 <210> SEQ ID NO: 5
116 <211> LENGTH: 20
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
123 <400> SEQUENCE: 5
124 Lys Glu Lys Gln Ile Leu Arg Gln Ser Glu Val Leu Phe Arg Ser Glu
125 1          5          10         15
127 Thr Leu Arg Lys
128          20
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 23
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
139 <400> SEQUENCE: 6

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## RAW SEQUENCE LISTING

DATE: 05/23/2002

PATENT APPLICATION: US/09/924,102

TIME: 17:27:02

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05232002\I924102.raw

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140 tccctctgtg ctaactcctt tgg                                     23
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 33
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
151 <400> SEQUENCE: 7
152 ccccaagctt accttccctt ttccctgtc ttc                             33
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 29
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
163 <400> SEQUENCE: 8
164 gcgcattccat gggcgacaga gctagactc                               29
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 30
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
175 <400> SEQUENCE: 9
176 ccaccctgta cttcagataa taagcaaccc                               30
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 22
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
187 <400> SEQUENCE: 10
188 tgggccctct gggaaggctg tg                                       22
191 <210> SEQ ID NO: 11
192 <211> LENGTH: 30
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
199 <400> SEQUENCE: 11
200 ggaattctga tgctgctgtc gactcattta                               30
203 <210> SEQ ID NO: 12
204 <211> LENGTH: 33
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
211 <400> SEQUENCE: 12
212 ccgaagcttg ccatggtgct gcgtggccca gcc                             33

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## RAW SEQUENCE LISTING

DATE: 05/23/2002

PATENT APPLICATION: US/09/924,102

TIME: 17:27:02

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05232002\I924102.raw

215 <210> SEQ ID NO: 13  
216 <211> LENGTH: 35  
217 <212> TYPE: DNA  
218 <213> ORGANISM: Artificial Sequence  
220 <220> FEATURE:  
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
223 <400> SEQUENCE: 13  
224 tgaattctta ggagaaagtg cagcatgtct ggggtg 35  
227 <210> SEQ ID NO: 14  
228 <211> LENGTH: 36  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
235 <400> SEQUENCE: 14  
236 aggaagcttg ccatggtgct gtcgactcat ttatatt 36

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/924,102

DATE: 05/23/2002

TIME: 17:27:03

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05232002\I924102.raw